

"Dedicated to Public Service"

THE RADIATOR



W6RHC
IRL #8170
Echolink #322788



<http://www.gearsw6rhc.org>

P.O.Box 508 Chico, CA 95927-0508

Founded: August 13 1939

SEPTEMBER, 2015

Coming Events

O.A.R.S. GENERAL MEETING

Second Friday, every month, at 7:00 p.m., at St. Paul's Church Parrish Hall, 1430 Pine St., Oroville

G.A.R.S. Second Wednesday, each month, General Meeting, Lutheran Church Hall, Artois; 7:00

G.E.A.R.S General Meeting, third Friday each month, at Butte County Search and Rescue Building, Chico. Doors open at 6:00 p.m.

Butte A.R.E.S. MEET: fourth Friday, monthly, at Butte County Search and Rescue Building.

FCC EXAMS - GEARS VEC

First Sunday of every even numbered month.

At the Butte County Search and Rescue Building. Written test at 2:00 p.m. For information or pre-registration call Tom Rider -W6JS; 530-893-9211

Club Events:

News and items of interest
GEARS Calendar...all inside.

Website: www.gearsw6rhc.org



Picture courtesy EVARC

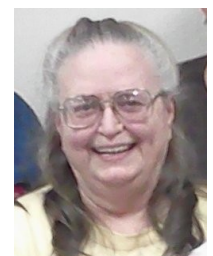
The Prez' Says:

In accordance with the constitution of the Golden Empire Amateur Radio Society (GEARS) and Article III of the bylaws, when the Board of Directors deems it necessary to amend the bylaws, the entire membership of GEARS must be notified. All members currently receive a copy of the monthly newsletter, either electronically (email) or snail mail (USPS). This special bulletin, as part of the Prez Sez column is your notification of an upcoming amendment which will be voted upon at the next general meeting of GEARS to be held on September 18, 2015 at the Butte County S & R building on Morrow Lane in Chico, CA. The meeting will begin at 7:00 pm and a vote on the amendment will be the first order of business. The Board of Directors meeting will precede the general meeting and will begin at 6:30 pm.

AMENDMENT

The Board of Directors for the Golden Empire Amateur Radio Society is recommending an increase in dues for membership. Membership with all rights and privileges will increase to \$30.00 per year, payable by October 1 of each year and considered in arrears on December 31 of each year.

Continued on page 3



Board of Directors Meeting: Aug 21 2015

ATTENDANCE All officers present.

MEMBERSHIP APPLICATIONS: Dave Bequette, Nick Burgess

OLD BUSINESS:

Anonymous donations of \$1000, \$25, \$350.

Bills for consideration:
Equipment insurance \$107

Discussion of our financial difficulties.
How are we going to raise money?
Where are we going to cut expenses if we can?

The board of directors is recommending that dues be raise to \$30. For those that receive the bulletin by mail they will be charged \$12 next year if they wish to receive it.

NEW BUSINESS:

ADJOURNMENT: 19:00 hr.

Dale Anderson,
Secretary



MINUTES OF GENERAL MEETING for Aug 21 2015

PROGRAM: Finish the Buddy Pole project.

ATTENDANCE: All officers present.

ANNOUNCEMENT:

The board of directors is recommending that dues be raise to \$30. The associate dues will remain the same.

LOCO is having a 200 mile relay run on Sept 11, 12 and is looking for volunteer's that can help with communications.

VEC: Gene is starting a technical class the first Friday in September from 6:30 to 8:30 at the Butte County Sheriff's Communications Reserve building then on Thursdays for 8 weeks with the test at the end.

MINUTES: Approved the minutes from July meeting.

TREASURER:

We have received anonymous donations of \$1000, \$25, \$350. Current balance of \$1484.79.

Treasures report approved.

OLD BUSINESS:

None

NEW BUSINESS:

Scott Petersen is looking to obtaining a grant from the North Valley Community Foundation.

ADJOURNMENT: 20:40 hr.

Dale Anderson,
Secretary

PREZ SAYS (continued)

Now on to mundane topics. Last month, the club was facing a drastic shortfall in our funding. With the proposed increase in dues, some other modifications in our expenses and some other "wild" ideas, it appears we will be able to operate for another few years. We will still be looking for fund raising ideas. If you think you've had a brainstorm, bring it to the attention of your board for discussion. Any and all will be considered.

Tom Rider has gotten most of us set to rights with our buddypole knock-offs. Personally, I still don't know what I'm doing but will flounder onward with help from friends and mentors. Hope I can complete mine and get all set before next years' Wildflower. That would keep me from hauling all the push up poles and tying them to the fence where I usually set up.

We have a new collection of items in the raffle buckets and that event will be back on schedule in September. There will also be a few added items from the estate of Bart Ickes KE7UOR, a silent key member of GEARS. I'm not sure which program we will be having at the September meeting, that will depend on who has time available on their calendars.

September is Steak Bake month. GARS is our host this year. I'm sure you will be able to find more info about where to meet in this newsletter. The fun will be on September 19th, a Saturday They are raffling a tri-band radio. Tickets will be available at the Steak Bake or probably on the 18th at our club meeting. All side dishes will be potluck, Bring your own plates, silver and BUG SPRAY. Steaks are \$9 each if I remember correctly.

OH YES, Gene Wright is starting an eight week instruction aimed at getting new people ready to take their technician license exam. First session is scheduled for the first **FRIDAY** in September. If you know someone who wants to become a ham, have them call Gene at 345-3515.

Until I think of something you need to know (Like the 200 mile Insanity Relay Run in the high country publicized elsewhere) may propagation smile on you and the CMEs be short.

Anna KG6ZOA

Final phase of the Buddypole Project

Ummm...well yes..I think we have this all together? Or not???

QST QST QST to all GEARS Members and ARES Members, this is Scott, Ke6vus, your Vice President and ARES EC asking for volunteer operators the Weekend of Sept 11th, for an event lasting 43 hours. I was sent this information from the Butte County Sheriff's reserve comm group, and follows:

Basically we need a group from you to manage the Jonesville Checkpoint which is at the Jonesville Snowmobile Park just above Butte Meadows on Humboldt Rd. We will need multiple operators to man this station from 5:00am Friday Sept 11, until Saturday night possibly as late as Midnight but not likely that late. It can be broken up into shifts as your group sees fit however I do need someone there and awake at all hours. There are pit toilets and room for small campers or tents. If you have really enthusiastic people that want to work more than one shift or in another area I can accommodate them as well.

We will have our Comm2 unit staffed with a portable repeater on top of Humboldt Summit for emergency comms and Sheriffs reserve comms. On the Ham side we will be primarily running simplex on 70cm and 2 meters and will likely have a cross band repeater working as well. Most of the race teams do not and will not have radios in their vans. There will be sweep teams and some other roaming units that will have CB's so if you have one bring it. There will be a CB in Comm2 on top of the summit as well. If you have HF bring it as well we may try multiple ways of communications just to test things out as the days and night go on.

We will use the High Lakes repeater 146.700(-) pl110.9 for the first leg of the relay which goes into the Philbrook Valley however that part of the relay should be over by Noon on Friday at the latest.

The rest of the relay we will use a combination of simplex frequencies including 446.500 and 441.000, both with a Rx & Tx code of 107.2, and 146.550 with a Rx & Tx tone of 123.0. On the Plumas County side we may use the Mt Hough Repeater which is 145.470(-) PL 123.0. I would suggest a mobile radio with at least 45 watts and a good gain antenna. I would also suggest a good dual band omni-directional antenna instead of a yagi.

I will be sending out a full radio plan you can pass on to your people on the weekend before the event. When you have a list of people that are going to help please forward it to me with their call sign, E-mail address, and the times they will be volunteering.

....ok so now you have it, please email me at ke6vus@yahoo.com if your able to participate in this event. Any number of hours can be worked, I will have the ARES Comm van on site, with water, food, a portable toilet, and tent with a cot so our needs will be met, just need operators.

Thanks to all for your anticipated participation.

This was sent to me by:

Gary McElroy N6BLU
Lt. Operations
Butte County Sheriff's Communication Reserve.

If any questions please call or email me,
Regards to all and 73's

De Ke6vus
Scott Petersen

GLENN AMATEUR RADIO SOCIETY HOSTS THE TRI COUNTY STEAKBAKE THIS YEAR!

We are anticipating great weather Really great steaks—delicious food, Pleasant conversations-the traditional fox hunt-a raffle of a truly fine radio—-We want every one of you who come to have as much pleasure during the day as we are having putting this steakbate together for you!

So make your reservations early please. Without a reservation for your steak, hotdogs, hamburger, veggie burger, whatever your choice, you could come and find you have an empty plate! OUCH!

We have reserved Jensen Park Gazebo area in Willows, a pleasant and well maintained facility. The Gazebo is large, and accommodates many. Rest-room facilities are nearby, and very clean. It is a lovely park.

We anticipate setting up a Ham radio system. We hope to entice neighborhood children who may be playing in the park, to look at the radio, ask questions and possibly speak with a ham operator over the radio. Children experience such excitement when someone responds to their call, it does bring smiles to everyone around.

The Steakbate set up will start around 10:00 a.m, serving of the steak, hamburgers, hotdogs etc., will commence at 2:00 p.m.

Raffle of the Anytone Tri band radio will occur about 3:45 to 4:00 p.m. You will have opportunity to purchase raffle tickets at the Steakbate. The tickets are \$5.00 each, 5 tickets for \$20.00. This is a very nice radio, be sure to take a chance on winning.

As in all past events, we ask attendees to bring a potluck dish of a favorite item to share. You will also need to bring your own utensils, dinner-ware, and please do not forget insect repellent! We will provide condiments, garlic bread, coffee, tea, water, soft drinks.

We are definitely looking forward to this gathering, and we surely hope you are too!

Directions to Jensen Park

In Willows, on Highway 99 W (So. Tehama St.), drive South to Elm St., turn right (West) until you reach the park.

**For those of you into Geo Caching,
Co-ordinates are:**

**39° 30' 46.56" N
122° 11' 51.68" W**

SEE PAGE 12

FCC Universal Licensing System, Other Applications to be Down for Maintenance

FCC website maintenance in early September will make the Universal Licensing System (ULS), the Electronic Comment Filing System (ECFS), the Electronic Document Management System (EDOCS) and other public applications unavailable for more than 5 days. The Commission said the outage will begin at 2200 UTC on Wednesday, September 2, and continue through the Labor Day weekend. The maintenance work should be completed by 1200 UTC on Tuesday, September 8. During the ULS outage, it will not be possible to file any Amateur Radio applications.

“[M]ost Commission resources normally accessible through the Commission’s website, including access to all electronic filing systems and electronic dockets, will be inaccessible for the same period, with the exception of the Network Outage Reporting System (NORS), the Consumer Help Center (CHC), and the Disaster Information Reporting System (DIRS), which will remain available,” an FCC [Public Notice](#) said on August 20. “The Commission’s website will remain available, but with reduced content and limited search capabilities.” According to the *Public Notice*, the FCC will follow its normal schedule of operation during the maintenance period, but voicemail will be offline, and most Commission staffers will not have access to e-mail. Static content webpages on the fcc.gov domain, such as the FCC consumer guides, should remain available during the outage.

Although the regulatory fee for Amateur Radio vanity call sign applications will disappear on September 3, prospective applicants now will have to wait until September 8 (1200 UTC) — or until after the ULS is back online — to file. The FCC has told ARRL that the approximately 18-day waiting period for a vanity call sign to be granted will remain in place “for now.” The FCC will extend filing deadlines for all regulatory and enforcement filings that fall during the maintenance period. Filings due on September 2, 3, 4, or 8 now will be due on Wednesday, September 9. “Except for the due dates specified herein, we are not automatically extending the deadlines for any other comment or filing periods that will be running during this

considered consistent with the Commission’s normal practice,” the FCC *Public Notice* said. “To the extent the due dates for filings to which reply or responsive pleadings are allowed are affected by this *Public Notice*, the due dates for reply or responsive pleadings shall be extended by the same number of days.”

In a [blog](#), “Modernizing the FCC’s IT,” FCC CIO David Bray said that with the world and the technology we use are changing rapidly, “the information technology used by the Federal Communications Commission must change as well.” Bray said the FCC has “made significant progress to upgrade and modernize our infrastructure, and we continue to work on modernizing the FCC’s legacy IT systems with the resources we have available.” “We understand that this temporary downtime before and during the Labor Day Weekend may be inconvenient for some CC stakeholders,” Bray added.

From the ARRL Bulletin



Caps embroidered with your name and your call sign may be ordered by contacting WA6ZRT -Gene Telephone #530 -345-3515

VEC TESTING
2:00 p.m.
October 4, 2015
December 6, 2015

**AT BUTTE COUNTY
 SEARCH & RESCUE
 BUILDING**

**All Classes
 Technician, General and
 Extra.**

Contact:
Tom Rider-W6JS
530-893-9211
Rustyboy rider@aol.com

Trivia: How to bend PVC pipe into Shape without Breaking It:

Phil Crockett of the Phil Crockett You Tube channel found and easy way to bend PVC pipe without kinking Or breaking it.

Use duct tape to seal one end. Fill the pipe with sand. Heat with a hair dryer until the pipe is pliable, then Bend as desired.

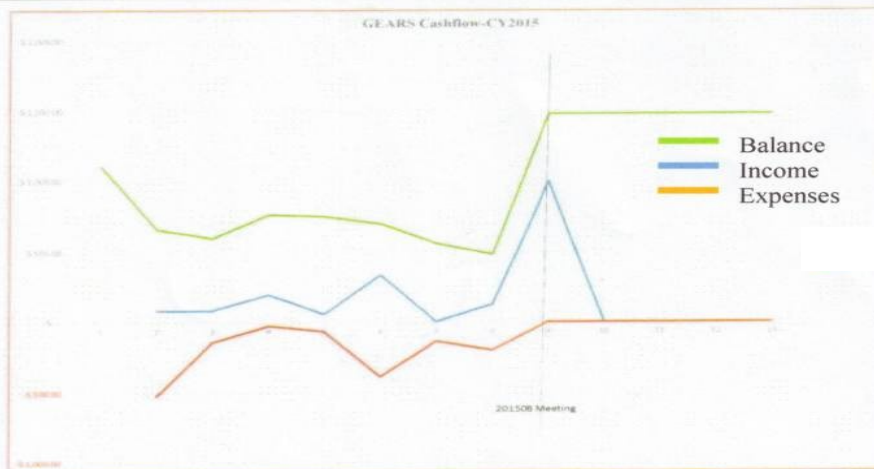
The sand keeps the kinks out—the pipe cools with a nice smooth bend.

Credits: Popular Mechanics Issue September 2015, page 18

Please note, The Treasurer's report below, is NOT CONSIDERED TRIVIA. I did not set it up properly, and at this point in time, a day late on sending this newsletter, other difficulties with the scan function and every other excuse under the sun....it remains locked as scanned below. My apologies: Dj

August 2015 Treasurer's Report:

	Dec-14	Jan-2015	Feb-2015	Mar-2015	Apr-2015	May-2015	Jun-2015	Jul-2015	Aug-2015	Sep-2015	Oct-2015	Nov-2015	Dec-2015	Totals-YTD
Balance Carried Forward	\$ 2,107.76	\$ 1,107.76	\$ 664.69	\$ 600.16	\$ 767.91	\$ 753.25	\$ 702.01	\$ 562.63	\$ 484.79	\$ 1,484.79	\$ 1,484.79	\$ 1,484.79	\$ 1,484.79	\$ 1,107.76
Less: ARES Funds-on-Deposit	*****													
INCOME	CATEGORY													
	Auction	\$ -	\$ -	\$ -	\$ -	\$ 318.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 318.00
	Dues	\$ 20.00	\$ 45.00	\$ 41.00	\$ 20.00	\$ 20.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146.00
	Raffle	\$ -	\$ 27.00	\$ 155.15	\$ 34.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 216.15
	Repeater-Fees	\$ -	\$ 10.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10.00
	Donations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125.00	\$ 1,000.00	\$ -	\$ -	\$ -	\$ -	\$ 1,125.00
	Sales	\$ 10.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10.00
	Unknown	\$ 51.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51.00
	MISC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Income	\$ 81.00	\$ 82.00	\$ 196.15	\$ 54.00	\$ 338.00	\$ -	\$ 125.00	*****	\$ -	\$ -	\$ -	\$ -	*****
EXPENSES	CATEGORY													
	Bank Fee	-\$ 70.00	-\$ 39.60	-\$ 10.00	-\$ 10.00	-\$ 10.00	-\$ 10.00	-\$ 10.00	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 159.60
	Insurance-Liability	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Insurance-Property	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Postage	-\$ 48.75	-\$ 48.75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 97.50
	Repeater Fees	-\$ 20.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 20.00
	Repeater Service	-\$ 100.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 100.00
	Supplies: Business	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 126.50	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 126.50
	Technology	-\$ 228.00	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 62.55	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 290.55
	Utilities: Electric	-\$ 16.55	-\$ 17.18	-\$ 18.40	-\$ 17.75	-\$ 18.31	-\$ 23.66	-\$ 23.17	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 135.02
	Utilities: Telephone	-\$ 40.77	-\$ 40.91	\$ -	-\$ 40.91	-\$ 40.93	-\$ 43.17	-\$ 43.17	\$ -	\$ -	\$ -	\$ -	\$ -	-\$ 249.86
	MISC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Total Expenses	-\$ 524.07	-\$ 146.53	-\$ 29.40	-\$ 68.66	-\$ 109.24	-\$ 139.38	-\$ 202.82	\$ -	\$ -	\$ -	\$ -	\$ -	*****
	Available Balance	\$ 1,107.76	\$ 664.69	\$ 600.16	\$ 767.91	\$ 753.25	\$ 702.01	\$ 562.63	\$ 484.79	\$ 1,484.79	\$ 1,484.79	\$ 1,484.79	\$ 1,484.79	\$ 1,484.79



Antenna Analyzers You Can Hack

By Dan Romanchik, KB6NU

I'm a nut for antenna analyzers. I think that they are one of the most useful things a ham can own.

I've often wondered why there aren't more DIY antenna analyzer projects, though. Perhaps it's because designing measurement circuits isn't easy. An antenna analyzer has to have a signal source as well. Even so, an antenna analyzer doesn't need a whole lot of accuracy to be useful, so you would think that more builders/hackers would tackle a project like this.

I do know of one antenna analyzer kit on the market. The VK5JST Antenna Analyser Kit (<http://www.ahars.com.au/about/kits/>) costs about \$110 USD. I actually purchased this kit a year or so ago, and it looks like a great unit. The unit seems well-designed, and it comes with a plastic case, unlike many projects these days, but I haven't yet gotten around to building it.

I've also recently found out about an Arduino-based antenna analyzer project (<http://hackaday.com/2015/08/06/40-antenna-analyzer-with-arduino-and-ad9850/>). It uses an AD9850 module as the signal source. The approximate cost for all the parts is about \$40, and you can experiment with the code, if you like. If you have the time and inclination, this project might be worth taking a hack at. [[NOTE TO EDITORS: A photo of this project can be found at <http://www.kb6nu.com/wp-content/uploads/2015/08/analyzer.jpg>]]

Another antenna analyzer project from Australia is the VK3YY antenna analyzer (or "analyser" as they spell it there). It uses an Arduino Nano. The interesting thing about the blog post in which VK3YY describes the project (<https://vk3yy.wordpress.com/2014/09/29/antenna-analyser-project/>) is that you can follow his design and experimentation process.

Yet another analyzer

While I'm talking about antenna analyzers, let me mention another one that I've just found out about: the IW2NDH Antenna Analyzer (<http://www.iw2ndh.com/>). This antenna analyzer isn't a kit, but at \$175 seems to be a good deal. This unit has a frequency coverage of 2 - 160 MHz, and can be used as an antenna analyzer, signal generator, and a scalar network analyzer.

Apparently, this started out as an Arduino project. As Maximo, EA1DDO, pointed out on the radioartisan Yahoo Group, there is source code for this project on GitHub (<https://gist.github.com/jackdev23/7876502>), and a schematic is available on the Union de Radioaficionados Espanoles (URE) website (<http://www.ure.es/media/kunena/attachments/2420/Schematic.jpg>).

=====

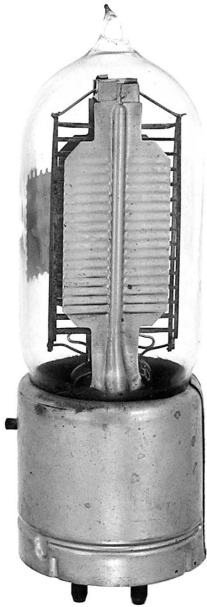
When not writing about antenna analyzers, Dan, KB6NU, actually builds an antenna now and then. You can often find him on the HF bands (mostly 40m and 30m), working CW. His #1-rated amateur radio blog can be found at KB6NU.Com, and you can e-mail questions, comments, or complaints to cwgeek@kb6nu.com.

TUBES OF THE MONTH-EARLY RECEIVING TUBES

VT-1

The VT-1 is a triode developed in WW1 by Western Electric for use as a detector.

Length = 4.25" Diameter = 2 2 5 "
 Max voltage = 60
 Max current = 2 ma
 Fil voltage = 2.5
 Fil current = 1.1 amp

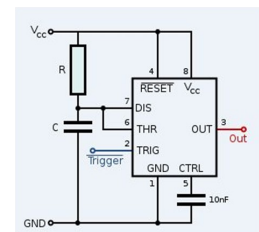
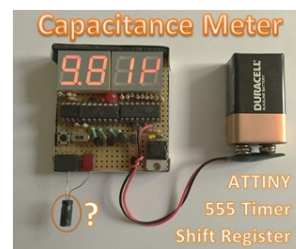


On INSTUCTABLES.COM , Thomas VDD , has posted full instructions for building his invention of a multi meter capacitor: Some of what he states regarding this device follows:

“Capacitors are vital components in electronics, but sometimes they are broken, or the value printed on the cap has become unreadable. Because my multi-meter does not have a capacitance measurement, I decided to make one!

The principle of measuring capacitance is quite simple. The voltage of a capacitor charging through a resistor increases with time T. The time it takes to reach a certain voltage, is related to the values of the resistor and capacitor. In this project, we'll use a 555 timer circuit as a monostable multivibrator. If that sounds like some dark magic to you, don't worry, it's quite straightforward. I'll refer to the the [Wikipedia](#) page for the details, as we'll focus on the things we really need: the schematic and formula. The time in which the capacitor C charges through the resistor R is given by: $T = \ln(3) \times R \times C = 1.1 RC$. If we know the value of the resistor and the time, we can calculate the capacitance: $C = T / 1.1R$. “

Go to www.instructables.com , scroll down to Arduinos, and then look for:



Full instructions , parts list, code, build and test info. Is provided. A very interesting project!

N6JV

Early Receiving tubes

The GEARS Newsletter Staff:

Editor and Publisher.....Dorothy Post
Printing & Distribution snail mail: Evelyn Weir
Website...Stephen McDermott W6AKF
 The Radiator is a monthly publication of the Golden Empire Amateur Radio Society (GEARS). It is the policy of the Editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio, of interest to GEARS members, and space is available. Please send all submissions to the Editor – Dorothy Post by the last day of the month through the following medium: E-mail: dj@posthouse.us

Club Officers: (Board of Directors)

PresidentAnna Horn –KG6ZOA
Vice President..... Scott Petersen-KE6VUS
SecretaryDale Anderson-KK6EVX
Treasurer.....Rick Hubbard-KI6VOS
Past PresidentGene Wright-WA6ZRT
Director..... Tom Rider-W6JS
Director.....Stephen McDermott W6AKF
Director.....Stephen Wolske-KF6HSS

Club Meetings

General Meeting Third Friday 7:00 PM
Board Meeting Third Friday 6:00 PM

GEARS Club Net

Tuesdays 8:00 PM 146.850 MHz-PL 110.9

GARS Club Net: Monday, 19:30 147.105+Mhz PL 110.0

Sacramento Valley Traffic Net

Nightly 9:00 PM 146.850 MHz-PL 110.9

ARES Nets:

Butte Mondays 20:00 146.850 MHz-PL 110.9
Yuba Sutter Thursdays 19:00 146.085+MHz PL 127.3
Glenn Thursday 19:30 147.105 MHz +PL 100.0

Other Nets:

Sac Valley Section Net—7:00 PM 2nd Wed of the month 146.085 MHz+PL 127.3

440 Wed. Night 8:00 PM Wednesday 440.650 MHz

Golden Bear 7:00 PM Daily 3975 kHz

Willie Net 8:00 PM Mondays 1930 kHz

Western Public Service System (WPSS)

Winter 5:00 – 7:30 PM 3952 kHz

Summer 6:00 – 8:30 PM 3952 kHz

ARISS (International Space Station) Uplink 144.490 MHz **Downlink** 145.800 MHz

Hope-1 satellite: all uplinks are in 145Mhz band:

All downlinks are in 435Mhz band

...California Traffic Net: 3906 KHz nightly @6:00 pm
 For traffic listing & @6:30 p.m. for roll call.

Pacific Division Convention (PACIFICON 2015) October 16-18, San Ramon, CA

Southwestern Division Convention (Hamcon 2015)-Sept 11—13

Start Date: 09/11/2015

End Date: 09/13/2015

Location: Torrance Marriott South Bay
 3635 Fashion Way
 Torrance, CA 90501

Website: <http://www.hamconinc.org>

Sponsor: Los Angeles Area Council of Amateur Radio Clubs & Orange County Council of Amateur Radio Organizations

Type: ARRL Convention

Talk-In: TBA

Public Contact: Margie Hoffman , KG6TBR
 21612 Grovepark Drive Santa Clarita, CA 91350

Phone: 661-347-6228

Email: margiehoffman@gmail.com

Ninth Annual
 Sacramento Valley
Hamfest
 Saturday, Sept 19, 2015
 0700 to 1200 Hours

Presented by Western Placer Amateur Radio Club
 65 McBean Park (Hwy. 193), Lincoln CA

Bandstand Parking Lot
 License Exam Sessions
 Exam Info - Dennis KI6HHA@aol.com
 Drawing Prizes

Buy and Sell

Ham Radio Related Stuff Only
 \$10 per space - Approximately 9' x 12'
 Bring your own tables
 Refreshments Available
 Hamfest Info at WWW.WPARC.US

Talk-in Frequency
 147.300 (+) 179.9

"Hello"
 Celebrating 75 Years of
 Amateur Radio

Sunday, October 4, 2015 December 6, 2015	2:00 p.m.	VEC—Exams	Butte Co. Search & Rescue Building 2591 Morrow Lane, Chico	Tom Rider
Wednesday September 9, 2015	Board-6:00 p.m. General Meeting 7:00 .	GARS-Glenn Glenn Amateur Radio Society General Meeting, & Amateur Radio Emergency Services	Lutheran Church Hall: 565 Main Street Artois	Albert Leyva
Friday, September 11,2015		OARS Oroville Amateur Radio Society General Meeting	St Paul's Church Parrish Hall 1430 Pine Street Oroville	John Hunt 530 589 4734
Friday September 18,2015	Board-6:00 p.m. General Meeting 7:00 Doors open 5:30 p.m. .	GEARS Golden Empire Amateur Radio Society General Meeting/Elections	Butte County Search and Rescue Building 2591 Morrow Lane Chico	Anna Horn -kg6zoa 530-877-5939

**STEAKBAKE—HOSTED BY GARS—JENSEN PARK, WILLOWS
SEPTEMBER 19, 2015, See Page 5 for details
Contact Dorothy Post, 530 -865- 0260
To make your timely reservation.**

Tribander Anytone Radio Raffle



Could be YOUR radio!

